

CLAIMS

1. A dual lock apparatus of the type including a lock moveable between a first position whereby said lock extends outwardly from said apparatus and a second position whereby said lock is contained within said apparatus said apparatus including:
5 a slider movable between a first position and a second position and including a first end associated with said lock such that movement of the slider causes corresponding movement of the lock, and a second end associated with a first locking means and a second locking means whereby independent operation of said first and second locking means is controlled by a clutch mechanism;
10 said clutch mechanism including an aperture which extends through said slider and a piston movable between at least a first and second position within said slider aperture; said second locking means including a member movable between a first and a second position said member including an outwardly biased locking member adapted to engage said slider aperture to thereby mechanically connect said second locking
15 means with said slider to thereby effect movement of said slider upon movement of said member;
said first locking means including a rotatable cam such that when rotated said cam acts against said piston to thereby move said piston from said first position to said second position to thereby mechanically connect said first locking means with said slider to
20 thereby effect movement of said slider.
2. A dual lock apparatus as in claim 1 wherein said first locking means disengages said second locking means.
3. A dual lock apparatus as in claim 1 or claim 2 wherein when said first locking means has locked said lock said second locking means cannot unlock said lock.
- 25 4. A dual lock apparatus as in any one of the above claims wherein at least one of said locking means is electrically driven.
5. A dual lock apparatus as in claim 1 to claim 3 wherein said first locking means is a key activated locking means whilst said second locking means is an electromechanical locking means.

6. A dual lock apparatus as in claim 1 to claim 3 wherein both said first and second locking means are key activated.

7. A dual lock apparatus as in any one of the above claims wherein when said slider interacts with said locking bolt so as to move it into said first position said slider resists withdrawal of said locking bolt.

8. A dual lock apparatus of the type including a locking bolt moveable between a first locked position to engage with an external restraining means and a second unlocked position said apparatus including:

a slider adapted to interact with said locking bolt so as to move it into said first or second position said slider including at one end an aperture extending perpendicularly to the direction of motion of said slider said aperture adapted to house a slider abutment member;

said slider abutment member being moveable between a first position whereby a surface of said member is flush with a surface of said slider and a second position whereby said surface of said member is housed within said aperture;

a carriage associated with said slider said carriage including an abutment surface said carriage further being moveable between a first position wherein said slider is located in said slider second position, and a second position thereby urging said slider into said slider first position;

a first locking means having a rotatable cam means such that when rotated in a first direction so as to act against said carriage abutment surface urges said carriage into said carriage second position and said abutment member into said first position to thereby urge the slider towards its first position and thereby outwardly extend said bolt and when said cam is rotated in an opposite direction it acts to thereby urge the slider towards its second position to thereby inwardly retract said bolt; and

a second locking means adapted to be activated independent of said first locking means including a movable member associated with said slider and movable between a first position whereby said bolt is inwardly retracted and a second position whereby said bolt is outwardly extended, said member including an outwardly biased pin housed within a rack cavity and movable between a first and a second position, in said first position said pin engaging with said slider aperture to thereby effectively mechanically couple said second locking means to said slider and thus the bolt and in

said second position said pin forced into said cavity whereby said slider may freely move to thereby effectively decouple said second locking means from the slider, this occurring when said slider abutment member is in said member first position.

- 5 9. A dual lock apparatus as in claim 8 wherein when said cam discontinues urging of said carriage, a biasing member acts upon said pin to return it to said first position upon alignment of said pin and said slider aperture.
- 10 10. A dual lock apparatus of the type including a locking bolt moveable between a first locked position and a second unlocked position said bolt movement corresponding with longitudinal movement of a slider said apparatus including:
- 15 a first and a second locking means adapted to operate independently of one another; said first locking means including a rotatable cam such that when rotated said cam acts against a moveable piston to thereby move said piston from a first position to a second position in which the second locking means becomes disengaged from said slider and further rotation of the cam urges longitudinal movement of the slider;
- 20 said second locking means including an electric motor in geared connection to a member moveable between a first position and a second position corresponding with the respective locked and unlocked positions of the bolt said member including an outwardly biased pin adapted to engage a cylinder associated with said piston and thereby urge said piston into said piston first position to thereby mechanically couple the second locking means with the slider.
- 25